

**AMENDMENTS TO THE SPECIFICATION**

*Please replace paragraph [0014] on page 4, with the following new paragraph:*

[0014] However, although there exist many variables, such as movement and stoppage, which change in real time on the traveling route of the moving object, there has been no method for collecting information on the variables in the traffic information center. Accordingly, there is a problem in that the conventional navigation system cannot provide accurately a service about the causes of the variables.

*Please replace paragraph [0020] on page 6, with the following new paragraph:*

[0020] It is ~~further~~ another object of the present invention to provide an apparatus and method for guiding a location of the other party in a navigation system, in which locations of the other parties as well as location information services with respect to a plurality of moving objects are provided.

*Please replace paragraph [0021] on page 6, with the following new paragraph:*

[0021] Additionally advantages, objects, and features of the invention will be set forth in part in the description which follows and in part will become apparent to those having ordinary skill in the art upon examination of the following or may be learned from practice of the invention. The objectives and other advantages of the invention may be realized and attained by the structure particularly pointed out in the written description and claims hereof as well as the appended drawings.

*Please replace paragraph [0022] bridging pages 6 and 7, with the following new paragraph:*

[0022] According to an embodiment of the present invention, an apparatus for guiding a location of the other party in a navigation system includes: a GPS receiver for receiving location data from a plurality of GPS satellites; a storage ~~means~~ unit for storing a map data; a display ~~means~~ unit for displaying the stored map data and location information of the other party on a screen; a voice processing ~~means~~ unit for processing a voice signal and outputting the processed voice signal; an input ~~means~~ unit for inputting a variety of key signals and requesting a location information of the other party's moving object; a wireless communication ~~means~~ unit for requesting the location information of the other party's moving object to a traffic information center and receiving the request result; and a control ~~means~~ unit for controlling each ~~means~~ unit, controlling a location information message of the other party's moving object to be transmitted to the wireless communication ~~means~~ unit, and controlling the location information of the other party's moving object to be displayed from the received location information message.

*Please replace paragraph [0023] page 7, with the following new paragraph:*

[0023] According to another embodiment of the present invention, a method for guiding a location of the other party's moving object in a navigation system includes the steps of: selecting an identification information of the other party's navigation system in a user's navigation system, and transmitting a location information request message on the other party's moving object; receiving the location information request message of the other party's moving object at a traffic information center, tracking a location information of the other party's moving object, and transmitting the tracked location information message of the other party's moving object; and receiving the location information message of the other party's moving object at the user's navigation system, matching the location of the other party's moving object with a map information, and displaying the matched information.

*Please replace paragraph [0024] page 8, with the following new paragraph:*

[0024] According to ~~further~~ another embodiment of the present invention, a method for guiding a location of the other party's moving object in a navigation system includes the steps of: selecting respective identification information of the other party's navigation systems in a user's navigation system, and transmitting location information request messages on the other party's moving objects; receiving the location information request messages of the other party's moving objects at a traffic information center, tracking location information of the other party's moving objects, and transmitting the tracked location information messages of the other party's moving objects; and receiving the location information messages of the other party's moving objects at the user's navigation system, matching the locations of the other party's moving objects with a map information, and displaying the matched information.

*Please replace paragraph [0035] page 10, with the following new paragraph:*

[0035] Reference will now be made in detail to a preferred embodiments of the present invention with reference to the attached drawings.

*Please replace paragraph [0036] bridging pages 10 and 11, with the following new paragraph:*

[0036] As shown in FIG. 2, a navigation system according to the present invention includes: navigation systems 211 and 221 installed respectively in moving objects 210 and 220 to search a traveling route by using a location data received from a plurality of GPS satellites 200 and a map data stored in a storage media, and to display the traveling route on a screen; a mobile terminal 230; a mobile communication network 240 for enabling a wireless communication

between the navigation systems 211 and 221 and the mobile terminal 230; a traffic information center 250 including a database 251, for providing a—traffic information and a—location information to the navigation systems 211 and 221; and an information provider 260 for providing various kinds of information requested by the traffic information center 250.

*Please replace paragraph [0038] page 11, with the following new paragraph:*

[0038] Referring to FIG. 2, the navigation systems 211 and 221 are installed in the moving objects 210 and 220 and detects—the current locations of the moving objects 210 and 220 by using the location data received from the plurality of GPS satellites 200 and signals sensed by a plurality of sensors, such as a gyro sensor for sensing a traveling direction of the moving object and a velocity sensor for sensing a traveling velocity of the moving object.

*Please replace paragraph [0039] page 11, with the following new paragraph:*

[0039] The navigation systems 211 and 221 map-match the detected current locations of the moving objects 210 and 220 with the map data stored in the storage medium and searches a traveling route from the current location to the destination by using the map data. Additionally, the navigation systems 211 and 221 have functions of searching and guiding the optimum route, which allow the moving objects to travel to the destinations along the searched traveling route.

*Please replace paragraph [0041] page 12, with the following new paragraph:*

[0041] Here, the mobile communication network 240 is a communication network including a base station system, a switching center, and the like. The base station system

registers locations of wireless communication equipments existing in control areas under a control of an upper control station, and enables a wireless communication with wireless communication equipments, such as a navigation system and a terminal.

*Please replace paragraph [0043] page 12, with the following new paragraph:*

[0043] For this, the traffic information center 250 matches and stores identification information of the users (e.g., of the terminal 230 and the moving objects 220 and 210), whose location information is shared, in the database 251. Here, the identification information can includes vehicle information, personal information, telephone number and serial number of mobile terminals. At this time, in case the location information request is received, the telephone number and serial number matched with the identification information of the other party's moving object are searched and the location information is provided from a base station (a cell controller) which manages the corresponding telephone number and serial number. Then, the location information is transmitted to the moving object that requests the information.

*Please replace paragraph [0048] page 14, with the following new paragraph:*

[0048] At this time, the traffic information center 250 searches the specific identification information of the navigation system 221 installed in the second moving object 220 from the location information request message requested by the user of the first moving object 210, and checks whether or not the identification information of the navigation systems 211 and 221 is registered. Then, the traffic information center 250 determines the location information service.

*Please replace paragraph [0049] page 14, with the following new paragraph:*

[0049] Here, in case the information is not registered, the traffic information center 250 may not provide any information with respect to the location information request of a specific person in order to prevent a revelation of personal information. In this case, a message of "no service" with respect to the location information request message is transmitted to the corresponding moving object.

*Please replace paragraph [0051] page 15, with the following new paragraph:*

[0051] Thereafter, the traffic information center 250 transmits the location information of the second moving object 220 to the navigation system 211 of the first moving object 210 through the mobile communication network 240, and the navigation system 211 of the first moving object 210 displays the received location information of the second moving object 220 on a map information of the screen of the first moving object 210.

*Please replace paragraph [0056] page 16, with the following new paragraph:*

[0056] The main board 327 is connected via cable or directly to a CDMA communication unit 315, a GPS receiver ~~248~~ 318 for receiving GPS signals, a CD deck 321 for reproducing and recording disk (CD, DVD, etc.) signals, and a gyro 324. Here, the CDMA communication unit 315 is a mobile communication terminal having an equipment identification number. The CDMA communication unit 315 and the GPS receiver 318 receive signals through antennas 309 and 312, respectively.

*Please replace paragraph [0061] page 17, with the following new paragraph:*

[0061] The vehicle interface 363 is an interface means for transmitting/receiving signals to/from the amp 369 and hand-free/air bag/velocity sensor 366, which are mounted on the moving object, and transmits/receives signals to/from the audio board 342 and the main board 327. The velocity sensor for sensing the velocity of the moving object, the air bag for securing a safety, and the hand-free unit (366) for inputting an audio signal without using the driver's own hands are connected to the vehicle interface 363. The velocity sensor provides the velocity information to the central processing unit 326 in order to sense the velocity of the moving object.

*Please replace paragraph [0063] page 18, with the following new paragraph:*

[0063] Here, for the purpose of the mobile communication service, the CDMA communication unit 315 transmits/receives signals to/from the mobile communication network through the antenna 309 by wireless. The received signal is transmitted to the audio board 342 under a control of the central processing unit 327 and then processed through the signal processing unit 348 of the audio board 342. Then, the processed signal is outputted through the amp 269 369 under a control of the microcomputer 354.

*Please replace paragraph [0064] bridging pages 18 and 19, with the following new paragraph:*

[0064] The TV signal received through the TV antenna 375 for the purpose of the TV broadcasting is processed through the TV module 372. Then, the processed TV reception signal is displayed in a form of a video signal on the LCD 300 through the interface board 306 under a

control of the LCD control unit 333. Additionally, the audio signal of the TV reception signal is outputted through the audio board 342 and the amp ~~269~~ 369.

*Please replace paragraph [0065] page 19, with the following new paragraph:*

[0065] An audio signal of the radio signal received through the tuner 351 for the purpose of the radio broadcasting and an audio signal of the audio tape received through the tape deck 360 are outputted through the audio board 342 and the amp 369. The audio signal reproduced through the deck 321 is also outputted through the amp 369, and a variety of the video signals are displayed on the display unit, i.e., the LCD ~~200~~ 300.

*Please replace paragraph [0070] page 20, with the following new paragraph:*

[0070] The mobile communication network 420 transmits the location information request message to the traffic information center 430 (S403). The traffic information center 430 tracks the location information of the other moving object or mobile terminal based on the registered information and then provides it to the navigation system 410 that ~~requests~~ requested the information.

*Please replace paragraph [0071] bridging pages 20 and 21, with the following new paragraph:*

[0071] In other words, the traffic information center 430 deciphers the location information request message transmitted from the navigation system 410 of the first moving object and then checks whether or not the deciphered message is registered as the location



information sharing. If registered, the traffic information center 430 tracks the location information of the second moving object for the purpose of providing the location information service to the first moving object.

*Please replace paragraph [0075] page 22, with the following new paragraph:*

[0075] At the step S415, the map information stored in the memory 339 is read out and the received location information is displayed after matching it with the map information under a control of the LCD control unit 333. At this time, in case the information intended to be obtained from the map information stored in the memory 339 is insufficient, it is possible to request additional map information to the traffic information center 410 430.

*Please replace paragraph [0081] page 24, with the following new paragraph:*

[0081] Here, the location information request message is a short message service (SMS) and the SMS format is configured as shown in FIG. 8(a). Referring to FIG. 8(a), the SMS 810 includes a header information, an identification information of the other party's moving object, a subscriber information, and a transmission location. The identification information of the other party's moving object is, as an example, a telephone number of the corresponding navigation system. The subscriber information is a navigation system information of the moving object that requests the location information, and the transmission location indicates a current transmission location.

*Please replace paragraph [0083] bridging pages 24 and 25, with the following new paragraph:*

[0083] Here, the location information message of the second moving object is transmitted to the first moving object in a form of an SMS 820 shown in FIG. 8(b). Referring to FIG. 8(b), the SMS 820 includes a header information, a location information of the other party's moving object, a recipient information, and a map information. As an example, ~~The~~ the location information of the other party's moving object is a coordinate indicating the latitude and the longitude. The recipient information is an identification information of the navigation system of the first moving object, and the map information is a map image having a predetermined size centering on the corresponding coordinate.

*Please replace paragraph [0096] page 28, with the following new paragraph:*

[0096] As described above, according to the present invention, a location of ~~other~~ another user's mobile communication equipment's ~~user~~ as well as one's own location can be displayed on the map, such that current locations of other users can be checked accurately during a movement.